

Abstract of the Disclosure:

A data transmission system has a base station and at least one mobile station. Data packets are interchanged between the base station and the mobile station using a time slot method.

5 In this case, first measures are used for transmission of a first part of a data packet at a predetermined first symbol rate and at a first transmission frequency, and second measures are used for transmission of a second part of the data packet at a second symbol rate and at a second
10 transmission frequency.

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